



U.S. ARMY

Western Review

of Legislative & Regulatory Actions

Region 9



The U.S. Army Regional Environmental & Energy Office

January 2014

The **WESTERN REGION 9 REVIEW** provides current information on natural resource, energy, and environmental issues relevant to Department of Defense interests in the 4 states and territories that comprise Federal Region 9. The Review is intended to be a tool useful to DoD and Army leaders, planners, and program managers in carrying out their responsibilities. The Western Region 9 Review monitors and targets proposed and final regulations and legislation that may affect Army or DoD operations. To receive a copy of this electronic publication, send an email request to nancy.l.reese2.ctr@mail.mil.



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Western Governors' Policy Resolutions

The Governors of [22 western states and territories](#) approved [eight new policy resolutions](#) at the [Western Governors' Association](#) (WGA) winter meeting, held 11 DEC 13 in Las Vegas, Nevada. The resolutions include:

Water Resource Management in the West Western Governors re-assert that states are the primary authority for [water supply planning and management](#) within their boundaries. Their water management priorities are (1) state primacy, (2) new infrastructure, (3) innovative water management, and (4) reliable water data.

Water Quality in the West States and the Environmental Protection Agency (EPA) work together as co-regulators under the Clean Water Act (CWA) and the Safe Drinking Water Act (SDWA). In this resolution, the Governors lay out their [views on water quality issues](#) and federal water regulation, including the preservation of state authority in managing water resources.

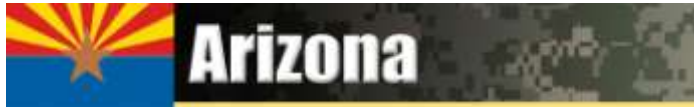
Transportation and Storage/Disposal of Radioactive Waste Western Governors assert that [transportation of radioactive wastes](#) should be in accordance with the [Waste Isolation Pilot Plant Land Withdrawal Act](#) and that [new radioactive waste storage/disposal facilities](#) be developed in cooperation with the Governors of affected states.

Regulation of Coal Combustion Waste Western Governors assert that their states should continue to be the principal regulatory authorities for [coal combustion residual waste](#) and urge EPA not to create unnecessary additional federal regulation.

The remaining resolutions address royalties from federal lands, school funding, and mine reclamation. All resolutions can be [downloaded](#) from WGA's website.

Region 9

For more information on any state issues in Region 9, contact [Tim Kilgannon](#), Region 9 Environmental Coordinator (303) 844-0953.



LEGISLATIVE DEVELOPMENTS

The [2014 Arizona legislative session](#) is scheduled to begin 4 FEB 14 and adjourn 14 MAY 14.



TOXICS

PROPOSITION 65: TCE The California Office of Environmental Health Hazard Assessment (COEHHA) announced it intends to list trichloroethylene (TCE) as known to the state to cause reproductive toxicity under the Safe Drinking Water and Toxic Enforcement Act of 1986 ([Proposition 65](#)). Under Proposition 65, businesses in California are required to provide a "clear and reasonable" warning before knowingly and intentionally exposing anyone to a listed chemical, with some exemptions. Proposition 65 also prohibits companies that do business within California from knowingly discharging listed chemicals into sources of drinking water. [Comments](#) are due 13 JAN 14. For more information, contact [Cynthia Oshita](#) at (916) 445-6900.

LEGISLATIVE DEVELOPMENTS

The [2014 California legislative session](#) began 6 JAN 14 and is estimated to adjourn 12 SEP 14.



LEGISLATIVE DEVELOPMENTS

The [2014 Hawaii legislative session](#) is scheduled to begin 14 JAN 14 and adjourn 1 MAY 14.

In addition, the [2013 Guam legislative session](#) began 2 JAN 13 and adjourned 28 DEC 13.

COR 108-32 proposes to change definitions in Guam's 2010 bottle recycling law (Public Law 30-221) to give Guam EPA flexibility in adjusting program fees. The bill establishes beverage container fees to be paid by distributors, requires beverage containers to be marked with the refund value, and addresses implementation and management requirements of the bottle recycling law. Passed 11 NOV 13.

COR 61-32 proposes to adopt revisions to the Guam Building Energy Code. The code specifies building energy requirements applicable to all non-residential and residential construction. Failed upon adjournment.

[COR 26-32](#) proposes to mandate the creation of the Guam Public Notice Website. The bill would require the Department of Administration to create and maintain a publicly accessible website that will allow government agencies to post required public notifications. Passed 28 MAY 13.

[COR 11-32](#) proposes to create the Guam Coral Reef Protection Act. The act includes notification provisions for any person who damages corals and provides for civil and other penalties. Failed upon adjournment.

The [2014 Guam legislative session](#) begins 14 JAN 14 and is estimated to adjourn November or December 2014.



LEGISLATIVE DEVELOPMENTS

Nevada does not hold a [legislative session](#) in 2014.

Department of Defense Activity

CALL FOR NOMINATIONS: 2014 SECRETARY OF DEFENSE ENVIRONMENTAL AWARDS [Nominations](#) for the [Secretary of Defense Environmental Awards](#) to be presented in 2014 are due to the Office of the Deputy Under Secretary of Defense (Installations and Environment) (ODUSD(I&E)) by 3 MAR 14. Each military service and defense agency may submit one nomination for each of the award categories for achievements during the period 1 OCT 11 through 30 SEP 13. Awards categories include natural resources conservation, environmental quality, sustainability, environmental restoration, cultural resources, and environmental excellence in weapons system acquisition.

ENERGY

RENEWABLE ENERGY PROJECTS AND MISSION COMPATIBILITY EVALUATION DoD issued a final rule on 5 DEC 13 outlining the evaluation process for determining whether proposed energy projects, such as wind farms, could interfere with military testing or training activities ([78 FR 73085](#)). The rule applies to proposed commercial renewable energy projects referred to DoD from the Department of Transportation (DOT) for projects that could affect navigable airspace. Under the rule, the [DoD Siting Clearinghouse](#) will have 30 days to determine whether potential projects would have an adverse impact on military operations and readiness. For projects determined to potentially interfere with military operations, DoD and the project proponent would have 90 days to reach an agreement on measures to mitigate the adverse impact. If the two are unable to reach an agreement, the final rule establishes a process to resolve conflicts and issue final determinations regarding whether a proposed project interferes with DoD readiness. This final rule was developed in response to a provision in the 2011 defense authorization bill calling for DoD to outline procedures to ensure commercial renewable energy projects do not pose a risk to national security. The final rule was effective 6 JAN 14. For more information, contact [Bill Van Houten](#) at (703) 571-9068.

DFARS: PHOTOVOLTAIC DEVICES DoD issued an interim rule amending the Defense Federal Acquisition Regulation Supplement (DFARS) to clarify rules of origin under trade agreements for photovoltaic devices to be utilized under covered DoD contracts ([78 FR 76993](#)). The interim rule makes two clarifications regarding "country of origin" determination and certification. According to the ruling, DoD can now buy solar panels from a U.S. manufacturer or a company in a country that currently has a free trade agreement with the U.S., 20 nations, or a member of a select group within the World Trade Organization. Photovoltaic devices from China do not meet requirements for purchase by DoD. The final rule was effective 20 DEC 13.

BIO-FUEL FOR HELICOPTERS The Army [is testing](#) a new bio-jet fuel blend as a “drop-in” replacement for jet propellant 8 (JP-8) in a UH-60 Black Hawk helicopter. The bio-fuel, known as ATJ-8 (alcohol-to-jet), is made from renewable [isobutanol](#). This action was undertaken in support of Army efforts to certify its air platforms on renewable fuels.

NATURAL RESOURCES

SENTINEL LANDSCAPES On 13 DEC 13, the U. S. Department of Agriculture (USDA), Department of the Interior (DOI), and DoD signed a Memorandum of Understanding (MOU) to advance Sentinel Landscapes across the country. The purpose of this MOU is to establish a mutually beneficial partnership between the agencies to coordinate delivery of federal programs to optimize the benefits of federal assistance to landowners whose working and natural lands also serve to protect the military mission. The MOU establishes a Sentinel Landscapes Coordinating Committee to determine needs and identify opportunities for collaboration, jointly designate Sentinel Landscapes for action, promote successful tools and approaches, and facilitate coordination among the partners. Sentinel Landscapes are places where preserving the working and rural character of private lands is important for both national defense and conservation priorities. The Sentinel Landscapes Partnership will focus on overlapping priority areas near military installations to help landowners make improvements to the land that benefit their operations, enhance wildlife habitat, and enable DoD’s training missions to continue. DoD is administering the MOU through their [Readiness and Environmental Protection Integration \(REPI\) Program](#). The MOU will be in effect until 1 JAN 19.

SUSTAINABILITY

DoD STRATEGIC SUSTAINABILITY PLAN The fiscal year (FY) [2013 annual update](#) of the DoD Strategic Sustainability Performance Plan is now available. This annual plan update lays out DoD goals and sustainability performance expectations through FY 2020. It establishes the path by which DoD will improve its mission, lower life cycle costs, and advance technologies and practices that further the sustainability goals of the nation. In FY 2012, DoD continued to drive progress on sustainability by embedding sustainability concepts and requirements into high-level strategies, training, policies, and guidance documents across the Military Departments.

GREEN GLOBES BUILDING CERTIFICATION STANDARDS The DoD now allows the use of either the Green Building Initiative’s [Green Globes](#) or the U.S Green Building Council’s Leadership in Energy and Environmental Design ([LEED](#)) for third party green building certification. In October 2013, the General Services Administration (GSA) [recommended](#) the federal government use either Green Globes or LEED to gauge environmental performance in its construction and renovation projects. DoD followed suit by altering its Sustainable Buildings Policy, as announced by Acting Deputy Under Secretary of Defense (Installations and Environment) John Conger in a [10 NOV 13 memorandum](#).

Federal Activity

AIR

PSD FOR PM2.5 EPA amended its regulations to remove two screening levels for fine particulate matter (PM2.5) Prevention of Significant Deterioration (PSD) rules ([78 FR 73698](#)). This action removes significant impact level (SIL) and significant monitoring concentration (SMC) provisions for PM2.5 that were vacated by court rulings. Entities potentially affected by this rule include new and modified major stationary sources in all industry groups. The PSD permit program applies to any new major stationary source or major modification at a stationary source located in a designated attainment or unclassifiable area. The final was effective 9 DEC 13. For more information, contact [Ben Garwood](#) at (919) 541-1358, or visit the [EPA website](#).

ARIZONA SIP: MARICOPA COUNTY EPA is finalizing approval of revisions to the Maricopa County Area portion of the Arizona State Implementation Plan (SIP). This action was proposed in the Federal Register on [April 19, 2013](#) and concerns particulate matter (PM) emissions from fugitive dust sources. The agency is approving local statutes that regulate these emission sources. The final rule was effective 2 JAN 14. For more information, contact [Christine Vineyard](#) at (415) 947-4125.

CALIFORNIA SIP: LOS ANGELES EPA is proposing to approve a revision to the Los Angeles County portion of the California State Implementation Plan (SIP) ([78 FR 75293](#)). The revision is the Los Angeles County final 2012 Lead SIP, which implements national ambient air quality standards (NAAQS) for lead by addressing emissions inventory, attainment demonstration, reasonably available control measures/reasonably available control technology, reasonable further progress demonstration, and contingency measures. Comments are due 10 JAN 14. For more information, contact Wienke Tax at (415) 947-4192.

NEVADA SIP: CLARK COUNTY EPA is proposing to disapprove revisions to the Clark County portion of the Nevada SIP ([78 FR 74057](#)). The revisions would have included an affirmative defense provisions applicable to startup, shutdown, and malfunction (SSM) events. Comments were due 9 DEC 14. For more information, contact [Idalia Perez](#) at (415) 972-3248.

CLIMATE CHANGE

CARBON CAPTURE AND STORAGE EPA [issued a final rule](#) excluding carbon dioxide (CO₂) injected in Class IV underground injection control (UIC) wells for geologic sequestration from federal hazardous waste regulations([79 FR 350](#)) . The final rule also clarifies that CO₂ injected underground via UIC Class II wells for enhanced oil recovery (EOR) is not considered a waste management activity. The rule is part of EPA's efforts to provide regulatory clarity to encourage the deployment of carbon capture and storage (CCS) technologies in a safe and environmentally protective manner. It is complementary to a [SDWA rule](#) that sets requirements to ensure that wells used for geologic sequestration of CO₂ streams are appropriately sited, constructed, tested, monitored, and closed in a manner that ensures protection of [underground sources of drinking water](#). The final rule is effective 4 MAR 14. For more information, contact [Melissa Kaps](#) at (703) 308-6787, or refer to EPA's [notice of final rulemaking](#).

ENERGY

FEDERAL LEADERSHIP ON ENERGY MANAGEMENT On 5 DEC 13, President Obama issued a [memorandum](#) establishing new goals for renewable energy and specifying new energy-management practices ([78 FR 75209](#)). The memorandum extends [EO 13514](#) to direct federal agencies to increase their use of renewable energy to 20% by the year 2020. It further details priority actions, directions on accounting for renewable energy, and building performance and energy management. The memorandum directs agencies to document progress using EPA's [Energy Star Portfolio Manager](#) and [Green Button](#).

DOE REPORT ON GRID ENERGY STORAGE The Department of Energy (DOE) released a report reviewing the technical maturity and regulatory status of (electrical) energy storage. DOE defined four major challenges to the widespread adoption of energy storage: the development of cost-effective energy storage technologies, validated reliability and safety, an equitable regulatory environment, and industry acceptance. The report outlines uses for storage, beyond just saving power until it is needed later. Other ways in which storage provides value include spinning and non-spinning reserves, ramping support for renewables, distribution upgrade deferral and voltage support, and customer-side meter storage. [The report](#) is available on the DOE website.

DOE 2014-2018 DRAFT STRATEGIC PLAN DOE released its draft [2014-2018 Strategic Plan](#) ([78 FR 72873](#)). DOE is responsible for advancing the energy, environmental, and nuclear security of the United States; promoting scientific and technological innovation in support of that mission; sponsoring basic research in the physical sciences; and ensuring the environmental cleanup of the nation's nuclear weapons complex. The plan generally provides upper level

goals and strategies, but also contains specific performance goals including target prices for solar photovoltaic systems and electrical energy storage. For more information, contact [Chris Johns](#) at (202) 586-4180.

HISTORIC PRESERVATION

HR 3687 MILITARY LAND AND NATIONAL DEFENSE ACT Representative Darrell Issa (R) [introduced an amendment](#) to the National Historic Preservation Act that would allow the head of a federal agency to object to the inclusion of a property on the [National Register of Historic Places](#) (National Register) on the basis of national security. The objection would prevent the property from being listed until the objection is withdrawn. Introduced 10 DEC 13.

LAND USE

NATIONAL CONSERVATION EASEMENT DATABASE The [National Conservation Easement Database](#) (NCED) is the first national database of conservation easement information, compiling records from land trusts and public agencies throughout the United States. The database, developed in collaboration with land trusts and public agencies, creates a single, up-to-date, sustainable nationwide system for managing and accessing data about conservation easements. It provides a comprehensive picture of the estimated 40 million acres of conservation easement lands.

THREATENED AND ENDANGERED SPECIES

EAGLE TAKE PERMITS AND WIND ENERGY DOI released a [final rule](#) extending the maximum term of a programmatic eagle take permits up to 30 years, subject to 5-year review and approval ([78 FR 73704](#)). The final rule revises regulations for take of golden eagles (*Aquila chrysaetos*) and bald eagles (*Haliaeetus leucocephalus*) associated with, but not the purpose of, an activity. It is intended to facilitate development of renewable energy and other projects that will operate for decades. The final rule was effective 8 JAN 14. For more information, contact DOI at (703) 358-1714, or refer to DOI's [press release](#).

BLACK-FOOTED FERRET The Fish and Wildlife Service (FWS) released a revised recovery plan for the [black-footed ferret](#) (*Mustela nigripes*) ([78 FR 77485](#)). The recovery plan, which covers 12 western states, focuses on successful management of prairie dog colonies and continued ferret re-introduction efforts. For more information, contact Pete Gober at (970) 897-2730.

PROPOSED LISTING: YELLOW BILLED CUCKOO FWS reopened the public comment period on its proposal to list the [yellow billed cuckoo](#) in the western portion of the United States, Canada, and Mexico as a threatened distinct population segment (DPS) ([78 FR 78321](#)). In the U.S., the species is known or believed to occur in Arizona, California, Colorado, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington, and Wyoming. Comments are due 24 FEB 14. For more information, contact Jennifer Norris at (916) 414-6600.

FALCONRY PERMITTING AUTHORITY DELEGATED TO STATES FWS delegated permitting authority for falconry to 17 states ([78 FR 72830](#)). The states are: Alabama, California, Connecticut, Delaware, Florida, Georgia, Illinois, Louisiana, Maryland, Minnesota, Nevada, New York, Rhode Island, South Carolina, Vermont, West Virginia, and Wisconsin. Because the service reviewed and approved these state falconry permitting regulations, a federal permit is no longer required to practice falconry in these states as of 1 JAN 14. A state permit is now required. This action amends [50 CFR Section 21.29](#). For more information, contact George Allen at (703) 358-1825.

12-MONTH FINDING: INDIAN KNOB MOUNTAIN BALM FWS announced the results of a 12-month finding on a petition to reclassify [Indian Knob mountain balm](#) (*Eriodictyon altissimum*) as threatened, finding that reclassifying the species is not warranted ([78 FR 75313](#)). The plant species retains its endangered status. It is found in San Luis Obispo County, California. This finding was made 11 DEC 13. For more information, contact Stephen Henry at (805) 644-1766.

SURVEY OF RESIDENT ATTITUDES ON JAGUAR CONSERVATION FWS is asking for approval to survey the public's perspectives on attitudes towards and beliefs about jaguars in the Northwestern Recovery Unit (southern Arizona and

southwestern New Mexico) ([78 FR 76313](#)). The service intends to survey local residents, business owners, and government agency personnel about their level of knowledge about jaguar ecology and status, attitudes towards jaguars, and any social barriers and opportunities to jaguar conservation in this region. FWS will use the information to identify groups that might be interested in being involved or staying informed about jaguar conservation and highlight groups with particular concerns that might be addressed in forthcoming policies or programs. Comments on the information collection request are due 18 FEB 14. For more information, contact [Hope Grey](#) at (703) 358-2482.

COLEMAN'S CORALROOT FWS announced the results of 12-month finding on a petition to list [Coleman's coralroot](#) (*Hexalectris colemanii*) and to designate critical habitat, finding that listing is not warranted ([78 FR 76795](#)). Coleman's coralroot is a member of the orchid family found in Arizona and New Mexico. This finding was made 19 DEC 13. For more information, contact Steve Spangle at (602) 242-0210 or [email](#) FWS.

CRITICAL HABITAT: FRANCISCAN MANZANITA FWS designated approximately 230.2 acres of critical habitat for [Franciscan manzanita](#) (*Arctostaphylos franciscana*) in San Francisco, California ([78 FR 77289](#)). The final rule is effective 21 JAN 14. For more information, contact Karen Leyse at (916) 414-6600.

COMMENT PERIOD EXTENDED: BI-STATE POPULATION OF GREATER SAGE-GROUSE FWS extended the public comment period on its 28 OCT 13 proposals [to list](#) the bi-state DPS of [greater sage-grouse](#) (*Centrocercus urophasianus*) as threatened with a special rule, and [to designate](#) critical habitat in California and Nevada ([78 FR 77087](#)). Comments are due 10 FEB 14. For more information, contact Edward Koch at (775) 861-6300.

NEP: CENTRAL VALLEY SPRING-RUN CHINOOK The National Marine Fisheries Service (NMFS) issued a final rule designating a nonessential experimental population (NEP) of Central Valley spring-run [Chinook salmon](#) (*Oncorhynchus tshawytscha*) in portions of the San Joaquin River, California ([78 FR 79622](#)). The final rule establishes take exceptions for the NEP associated with specified activities inside the NEP's geographic range and limited take exceptions outside the NEP's geographic range. The service also released the final environmental assessment for the NEP. The final rule is effective 30 JAN 14. For more information, contact Elif Fehm-Sullivan at (916) 930-3723.

TOXICS

TSCA REPORTING EPA will require reports submitted under the Toxic Substances Control Act (TSCA) to be submitted electronically ([78 FR 72818](#)). The final rule is effective 4 MAR 14. For more information, contact [Katherine Sleasman](#) at (202) 564-7716.

EPCRA REPORTING: CHLORSULFURON EPA denied a petition to remove the herbicide chlorsulfuron from the list of chemicals subject to toxic release inventory (TRI) reporting under section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and section 6607 of the Pollution Prevention Act of 1990 ([78 FR 73787](#)). The herbicide is commonly used for roadside vegetation management. It is the active ingredient (75%) in the herbicide Telar XP®.

GUIDANCE: PCB-CONTAINING FLUORESCENT LIGHT BALLASTS EPA released [guidance](#) on the handling of polychlorinated bi-phenyl (PCB)-containing fluorescent light ballasts. While the guidance is directed at schools, it applies to any other building owner or operator. PCB-containing ballasts were installed in buildings prior to 1979; those currently in use have exceeded their designed life span.

WATER

EPA RELEASES NEW VISION FOR TMDL PROGRAM EPA [announced](#) a new collaborative framework for implementing its CWA Section 303(d) program with states. The 303(d) program requires states to develop lists of impaired waters, establish priority rankings for waters on the lists, and develop total maximum daily loads (TMDLs) for these waters. According to the agency, the new program vision, while not mandatory, is intended to enhance the overall efficiency

of the 303(d) program, focus attention on priority waters, and provide states flexibility in using available tools beyond TMDLs to attain water quality restoration and protection.

Professional Development

FEDERAL FACILITIES ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE ASSISTANCE CENTER - FedCenter.gov is the federal government's home for comprehensive environmental stewardship, compliance assistance, and professional development information. FedCenter.gov provides a wide variety of information in the following areas:

- Program development (e.g., environmental management systems, green procurement program);
- Federal and state regulatory requirements for various facility activities;
- Regulatory Watch for information on new or changed laws or regulations;
- P2 opportunities and best management practices;
- EPA enforcement notices;
- Links to state environmental programs;
- Access to [environmental assistance](#);
- Access to free, FedCenter-sponsored courses:
 - [Environmental Compliance for Federal Laboratories](#) (FedCenter membership required);
 - [Environmental Management Systems](#) (FedCenter membership required);
 - [Underground Storage Tanks](#) (FedCenter membership required);
- Environmental [conferences](#), meetings, [training](#), and workshop information;
- Applicable laws and Executive Orders; and
- Industry sector-specific newsletters.

FedCenter also provides member assistance services such as:

- Collaboration tools for workgroups,
- Environmental reporting tools, and
- Daily newsletter and subscription services.

USACE PROSPECT Training USACE announces course availability for the FY14 PROSPECT (i.e., Proponent-Sponsored Engineer Corps Training) program. Please see the [Course Catalog \(a.k.a. Purple Book\)](#) and [List of Classes and schedule](#) for details. Courses are open to all federal, state, county and city employees and contractors. There are different registration processes for each entity.

NAVY AND ISEERB ENVIRONMENTAL TRAINING FY14 The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule for FY14 is available. Course topics include environmental overview and management, law planning and sustainability, pollution prevention, restoration, conservation, supplemental and Internet/computer-based training, and more.

AIR FORCE CIVIL ENGINEERING SCHOOL TRAINING FY14 The Air Force Civil Engineering School offers a variety of environmental management courses and seminars, including ISEERB offerings. Courses offered by the Civil Engineer School are available to all military and civilian employees of the U.S. government, free of charges. Travel costs are borne by the student.

QUALIFIED RECYCLING PROGRAM RESIDENT COURSE TO BE REPLACED WITH DISTANCE LEARNING DoD's Qualified Recycling Program (QRP) 40-Hour Resident Course (WENV 160), which has been taught and managed by the Air Force Institute of Technology (AFIT), is being reformatted as a distance learning course. This action is being taken to accommodate budget restrictions on training and travel. The reformatted, web-based course will continue to offer the same opportunities for student involvement (e.g., group activities, assignments, discussions, etc.) as the resident

course. Although reformatting the Qualified Recycling Course for distance learning is not yet complete, AFIT anticipates the web-based course will be offered several times in FY14. This action is part of a broader effort to increase distance-learning options. For more information, visit the [AFIT course website](#), or contact Mr. Tom Glardon at (937) 255-5654 ext 3538 (DSN 785-4645).

DEFENSE AND FEDERAL ENVIRONMENTAL TRAINING/AWARENESS The U.S. Army offers numerous environmental training courses (classroom and online). Explore training opportunities on the [US Army Environmental Command \(AEC\) website](#), which has links to training provided by DoD organizations.

Online Training

FEMP eTRAINING COURSES The Federal Energy Management Program (FEMP) offers interactive, online eTraining courses to help federal agencies develop core competencies and comply with energy-efficiency and renewable-energy water-management and sustainability requirements. FEMP is partnering with the National Institute of Building Sciences' Whole Building Design Guide (WBDG) to host these comprehensive, FEMP-developed eTraining courses. [Promotional materials](#) are available to help federal agencies encourage the completion of FEMP's eTraining courses. For more information about FEMP eTraining courses, contact [Beverly Dyer](#) at (202) 586-7753. The following courses are available:

- [Advanced Electric Metering in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Building Automation Systems for Existing Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Commissioning for Existing Federal Buildings](#) (4.5 hours, .50 CEUs)
- [Energy-Efficient Federal Purchasing](#) (4.5 hours, .50 CEUs)
- [Energy Savings Performance Contracting](#) (8.5 hours, .90 CEUs)
- [Federal On-Site Renewable Power Purchase Agreements](#) (2.5 hours, .30 CEUs)
- [Launching a Utility Energy Services Contract \(UESC\): Getting to Yes!](#) (3 hours, .40 CEUs)
- [Managing Water Assessment in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Measurement and Verification in ESPCs](#) (3 hours, .40 CEUs)
- [Planning an Energy Assessment for Federal Facilities](#) (4 hours, .50 CEUs)
- [Selecting, Implementing, and Funding Photovoltaic Systems in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Sustainable Institutional Change for Federal Facility Managers](#) (3 hours, .40 CEUs)
- [Utility Service Contracts and Energy Project Incentive Funds](#) (90 minutes)

CLIMATE READY WATER UTILITIES EPA's Climate Ready Water Utilities initiative assists the water sector (drinking water, wastewater, and stormwater utilities) in addressing impacts from climate change. This information helps utility owners and operators better prepare their systems for the impacts of climate change. The website has links to [tools and resources](#), new and recorded [training webinars](#), and more.

CLIMATE CHANGE SCIENCE AND MANAGEMENT WEBINAR SERIES This [webinar series](#) was developed to inform scientists, land managers, and the public about potential and predicted climate change impacts on fish and wildlife and to help guide resource management decisions across the United States. Video recordings with closed captioning are made available one to two weeks after each presentation.

PRODUCTION TAX CREDIT EXTENSION, PROCESS, AND IMPACTS WEBINAR This webinar features Paul Holshouser of the American Wind Energy Association, and Jon Chase from Vestas, who provide an insiders' perspective of the last-minute Production Tax Credit extension, including details about how the extension differs from past extensions, current status of the rule implementation, and the potential impacts on the wind industry.

WATER'S IMPACT ON THE ENERGY SECTOR This webinar features Stacy Tellinghuisen, senior energy/water policy analyst at Western Resource Advocates, who shares new research on the national impacts of water scarcity on the

energy sector, including how the expanded use of renewable energy and energy efficiency can help reduce the potential impacts that prolonged droughts will have on the energy sector.

READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM – Webinar Series The REPI Webinar Series is presented by DoD in partnership with the [Land Trust Alliance](#). This online series covers best practices, tutorials and knowledge sharing on REPI partnerships that support military mission and accelerate the pace and rate of conservation. All webinars begin at 1:00 p.m. Eastern unless otherwise noted.

EPA NPDES TRAINING COURSES AND WORKSHOPS Training courses, workshops, and webcasts explain the regulatory framework and technical considerations of the NPDES Permit program. They are designed for permit writers, dischargers, EPA officials, and other interested parties. Topics include vessel general permits, combined sewer overflows, energy management, green infrastructure, pesticides, pretreatment, sanitary sewer overflows, and stormwater.

EPA SUSTAINABLE MATERIALS MANAGEMENT ACADEMY Learn about key issues, successful projects, and a variety of best management practices for creating waste management programs. Building on the familiar concept of [Reduce, Reuse, Recycle](#), sustainable materials management (SMM) is a systemic approach that seeks to reduce materials use and their associated environmental impacts over their entire life cycle, starting with extraction of natural resources and product design and ending with decisions on recycling or final disposal. The format is a formal presentation followed by a question and answer session.

ITRC INTERNET BASED TRAINING The Interstate Technology and Regulatory Council (ITRC) is a state-led coalition working with federal partners, industry, academia, and stakeholders to achieve regulatory acceptance of environmental technologies. In conjunction with EPA's Technology Innovation and Field Services Division, ITRC delivers training courses via the Internet to reach a geographically dispersed audience of regulators, consultants, and other members of the environmental community. The training sessions last approximately two hours, cover technical and regulatory information specific to environmental technologies and innovative approaches, and are supported by consensus-based ITRC guidance documents. Visit the site often to view upcoming internet-based training events.

EPA RCRA TRAINING RCRA-related online courses, seminars, webinars, podcasts, and videos are posted throughout EPA's waste website. Introductory and advanced courses are included for federal and state regulators, the regulated community, organizations, associations, and consumers interested in environmental laws, regulations, and implementation. Topics include general RCRA, RCRA corrective action, Environmental Management Systems (EMS), e-waste, groundwater characterization and cleanup, land revitalization, land disposal restrictions, sustainable materials management web academy, and environmental justice and RCRA permitting.

How the Regional Offices Work for You

When used within the framework of ISO 14001, the *Western Region Review* can be part of an installation's procedures to satisfy Section 4.3.2 (Legal and other requirements) of ISO 14001. Information in the *Review* is intended for general guidance, and the reader should refer to cited source documents for more detailed information to determine the applicability and scope of the referenced legislation and regulations.

The US Army Regional Environmental and Energy Offices monitor state legislative and regulatory actions on your behalf. If a proposed state action has (1) critical mission impact; (2) conflicts with a federal requirement; and/or (3) a disproportionate effect on the Army or DoD, we coordinate with the potentially affected installations, commands, and/or other military Services to further assess the potential impact. If action is needed on a proposed measure we work with Army or Service regulatory experts to communicate DA/DoD position, coordinating with the affected installations and commands. Comments are combined from all parties in a single DoD/Army package and formally submitted to the state.

Want to comment on a rule or bill in the Review?

Please contact your Regional Environmental Coordinator listed in the Staff Directory.

Staff Directory

Mark Mahoney

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Acronyms

AAQS	ambient air quality standards
ACHP	Advisory Council on Historic Preservation
ACUB	Army Compatible Use Buffer
ADEQ	Arizona Department of Environmental Quality
ADWM	Arizona Department of Weights and Measures
ADWR	Arizona Department of Water Resources
AFB	Air Force Base
AGRRC	Arizona Governor's Regulatory Review Council
AQIP	Air Quality Improvement Program
ARNG	Army National Guard
ASTM	American Standard Test Method
ATSDR	Agency for Toxic Substances and Disease Registry
BACM	best available control measure
BACT	best available control technology
BART	best available retro-fit technology
BLM	Bureau of Land Management
BTU	British thermal unit
CAA	Clean Air Act
CAFE	corporate average fuel economy
CAIR	Clean Air Interstate Rule
CAMR	Clean Air Mercury Rule
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CaRFG3	phase 3 California reformulated gasoline
CBAR	California Bureau of Automotive Repair
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDPH	California Department of Public Health
CDPR	California Department of Pesticide Regulation
CDTSC	California Department of Toxic Substances Control
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CH₄	methane
CNOR	candidate notice of review
CO₂	carbon dioxide
CO₂e	carbon dioxide equivalent
COAL	California Office of Administrative Law
COE	Army Corps of Engineers
COEHHA	California Office of Environmental Health Hazard Assessment
CPUC	California Public Utilities Commission
CrVI	hexavalent chromium
CSWRCB	California State Water Resources Control Board
CVC	California Vehicle Code
CWA	Clean Water Act
CX	categorical exclusion
DA	Department of Agriculture
DO	dissolved oxygen
DoD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior

DOT	Department of Transportation
DSM	demand side management
DPS	distinct population segment
EA	environmental assessment
ECA	emission control area
ECF	emission comparable fuel
EIO	Energy Initiatives Office
EIS	environmental impact statement
EPA	Environmental Protection Agency
EO	Executive Order
ESA	Endangered Species Act of 1973
ESTCP	Environmental Security Technology Certification Program
FERC	Federal Energy Regulatory Commission
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FONSI	finding of no significant impact
FS	Forest Service
FWS	Fish and Wildlife Service
FY	fiscal year
GAO	Government Accountability Office
GEPA	Guam Environmental Protection Agency
GHG	greenhouse gas
GSA	General Service Administration
HAP	hazardous air pollutant
HAR	Hawaii Administrative Rule
HB	House Bill
HCFC	hydrochlorofluorocarbon
HCWRM	Hawaii Commission on Water Resource Management
HDA	Hawaii Department of Agriculture
HDLNR	Hawaii Department of Land and Natural Resources
HDOH	Hawaii Department of Health
HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers
INRMP	integrated natural resource management plan
ISEERB	Interservice Environmental Education Review Board
ITRC	Interstate Technology and Regulatory Council
JLUS	Joint Land Use Study
LBP	lead-based paint
LEED	Leadership in Energy and Environmental Design
LID	Low-Impact Development
MACT	maximum achievable control technology
MADL	maximum allowable dose level
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MERIT	Materials of Evolving Regulatory Interest Team
MOU	memorandum of understanding
MPA	marine protected area
MS4	municipal separate storm sewer system
MSGP	multi-sector general permit
N₂O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCSL	National Conference of State Legislatures
NAC	Nevada Administrative Code
NDEP	Nevada Division of Environmental Protection
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF₃	nitrogen trifluoride
NHTSA	National Highway Traffic Safety Administration

NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO₂	nitrogen dioxide
NO_x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	Nuclear Regulatory Commission
NSEC	Nevada State Environmental Commission
NSPS	New Source Performance Standard
NSR	New Source Review
OMB	Office of Management and Budget
ORCR	Office of Resource Conservation and Recovery
ORW	outstanding resource water
P2	pollution prevention
PBDE	polybrominated diphenyl ethers
PFC	perfluorocarbons
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PM	particulate matter
PM_{2.5}	particulate matter 2.5 microns in diameter or less
PM₁₀	particulate matter 10 microns in diameter or less
POPs	persistent organic pollutants
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
RICE	Reciprocating Internal Combustion Engine
RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SERDP	Strategic Environmental Research and Development Program
SI	spark-ignition
SIP	state implementation plan
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO₂	sulfur dioxide
SO_x	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TiO₂	titanium dioxide
TMDL	total maximum daily load
tpy	tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
UFC	Unified Facilities Criteria
ug/m³	micrograms per cubic meter
U.S.	United States
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Command
USGS	United States Geological Survey
UST	underground storage tank
USTCA	Underground Storage Tank Compliance Act
VOC	volatile organic compound
WCI	Western Climate Initiative
WGA	Western Governors' Association
WRAP	Western Regional Air Partnership